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NASA Procedural Requirements

COMPLIANCE IS MANDATORY

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Subject: Managing Information Technology

Responsible Office: Office of the Chief Information Officer

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Chapter 5. IT Investment Management

5.1 IT Investment Management Requirement

NASA shall ensure that IT investments are selected, controlled, and evaluated through effective IT governance, investment management, and program/project management processes.

5.2 Background

5.2.1 Effective IT investment management is important at NASA due to the size of the IT investment portfolio. With a significant portion of the Agency budget allocated to IT, it is important to ensure that IT investments enable the NASA mission, are integrated and secure, provide efficiencies, and are efficiently implemented. Further, it is important that IT investments be assessed and approved at a level commensurate with the size of the investment to minimize unnecessarily duplicative infrastructure and applications.

5.3 IT Investment Management Roles and Responsibilities

5.3.1 NASA CIO Responsibilities

5.3.1.1 The NASA CIO shall maintain a process and system for collecting and analyzing IT investment information.

5.3.1.2 The NASA CIO shall ensure the investment management system collects the information required to comply with OMB Circular A-11, Exhibits 53 and 300 reporting

requirements.

5.3.1.3 The NASA CIO shall provide sufficient information to governing boards and councils to effect assessment and approval of IT investments.

5.3.1.4 The NASA CIO shall ensure integration of Agency IT governance, investment management, and program/project management processes under NPR 7120.7 to facilitate the selection of appropriate IT investments and ensure appropriate program and project control.

5.3.1.5 The NASA CIO shall evaluate a subset of IT investments on an annual basis to confirm achievement of proposed benefits.

5.3.2 Center CIO Responsibilities

5.3.2.1 Center CIOs shall coordinate the collection, analysis, and input of IT program and institutional investment data at their Center in accordance with NASA CIO guidance.

5.3.2.2 Center CIOs shall evaluate Center IT projects within six months after completion of implementation to determine the extent to which planned benefits are realized.

5.3.3 NASA Center Directors shall implement processes at the Center-level to assess and approve IT investments to maximize the benefit of IT investments.

5.3.4 The NASA Chief Enterprise Architect shall assess, on an annual basis, a subset of EA Project Reviews and Enterprise Architecture Service Reviews from across the NASA Centers in compliance with NPR 2830.1, NASA Enterprise Architecture Procedures, requirements, and facilitate assessments of the effectiveness of integration and interoperability for investments that cross centers and programs.

5.3.5 Center Enterprise Architects shall ensure EA Project Reviews and Enterprise Architecture Service Reviews are conducted in accordance with NPR 2830.1, NASA Enterprise Architecture.

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